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# Field Service Procedure

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## **Conversion Instructions: Installation of G 15381 Conversion Kit DVE 803x**

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## **Conversion Instructions: Installation of G 15381 Conversion Kit DVE 803x**

### **Installation Procedure**

#### **Scope:**

This conversion kit is intended for use when replacing the pendant head/column adjustment screws on a DVE 803x.

#### **Parts included in Conversion Kit (ref. Figure 7):**

Quantity	Item	Part Number
2	Lock nut	G1544
2	Threaded bushing	G15643
2	Washer	1330705
2	Screw, M6 x 50	1309129

#### **Tools required:**

8 mm open end wrench  
10 mm open end wrench  
13 mm open end wrench  
5 mm Allen key  
6 ft. step ladder (maintenance/engineering to supply)

#### **Test equipment required:**

2 ft. spirit level

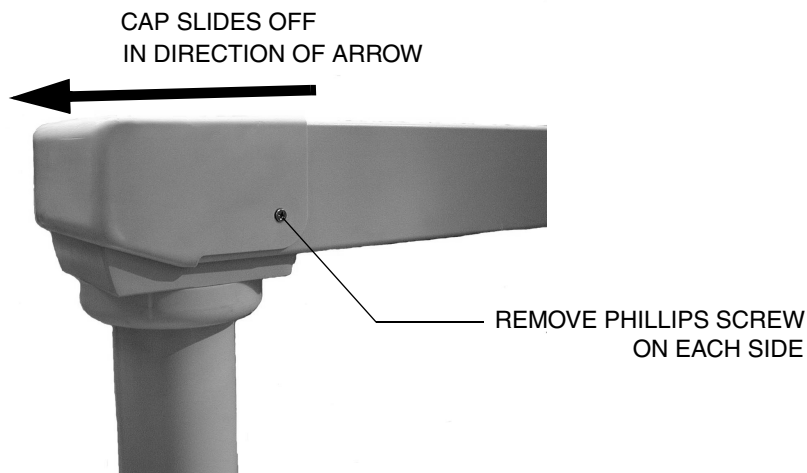
#### **Installation Instructions:**

NOTE: Power does not have to be removed to complete installation of kit.

1. Remove all equipment from equipment carrier prior to performing conversion.

## Installation Procedure (continued)

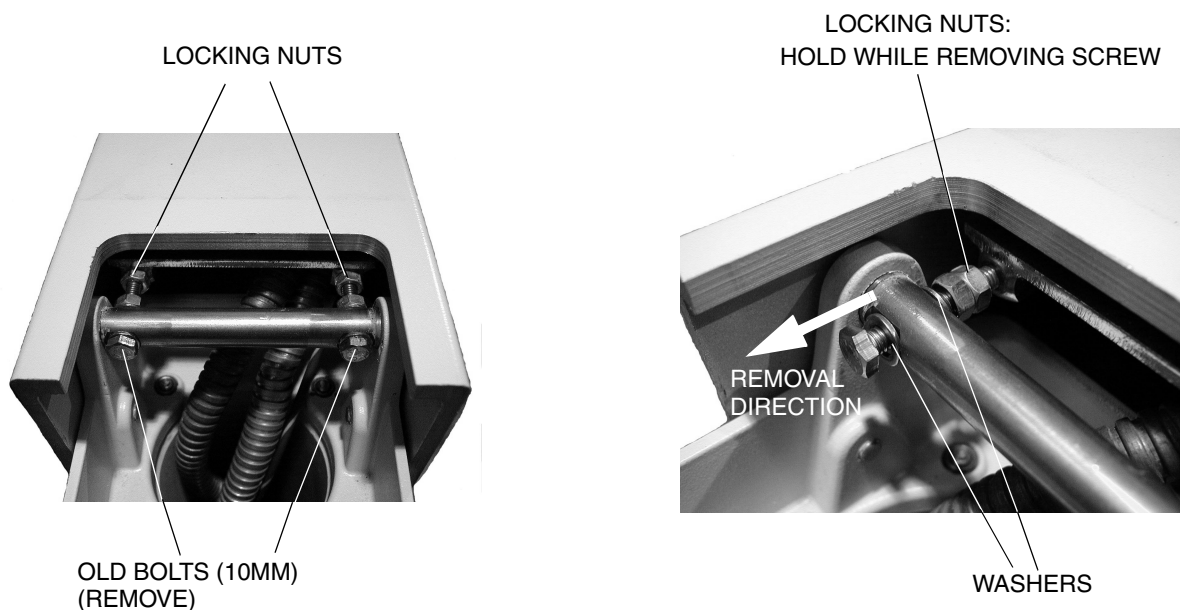
2. Remove end cap by removing the two Phillips head screws from both sides of unit. See Figure 1.



**FIGURE 1. End Cap Removal**

**CAUTION:** Remove and replace only one set of hardware at a time while performing the following steps.

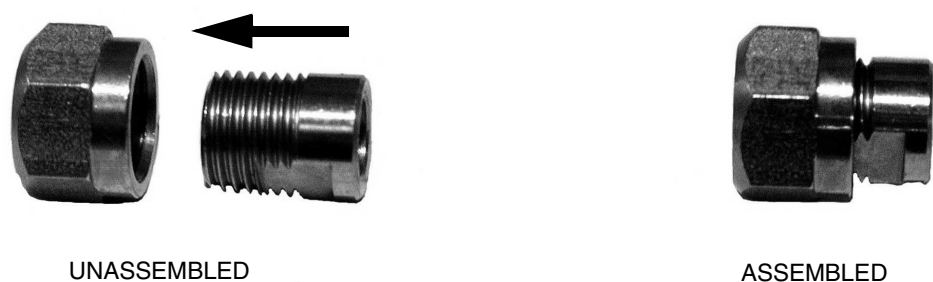
3. Using a 10 mm wrench, starting with the left side hardware, loosen the two inside locking nuts. Once the locking nuts are loose, hold them with your hand while removing the screw. Be sure to capture the loose washers so they do not fall down into the unit. See Figure 2.



**FIGURE 2. Old Hardware Removal**

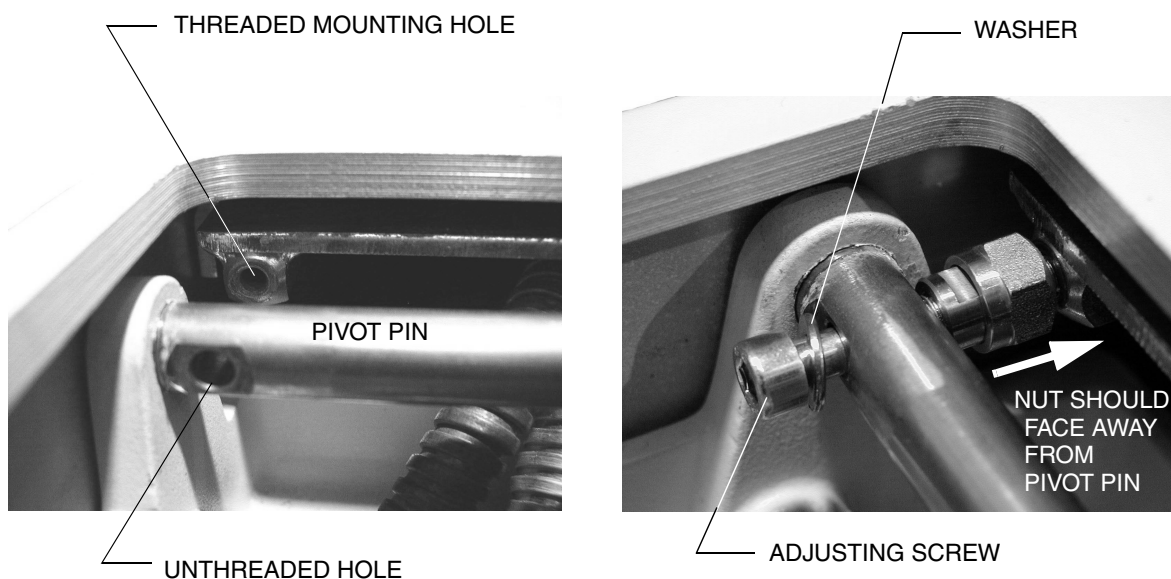
## Installation Procedure (continued)

4. Assemble the threaded bushing and nut as shown in Figure 3.



**FIGURE 3. Bushing/Nut Assembly**

5. Place a washer on the adjusting screw and install it in the pivot pin - and through the bushing/nut assembly as shown in Figure 4. thread the screw into the mounting hole until snug. Pay special attention to orientation of the bushing/nut assembly.



**FIGURE 4. New Hardware Assembly**

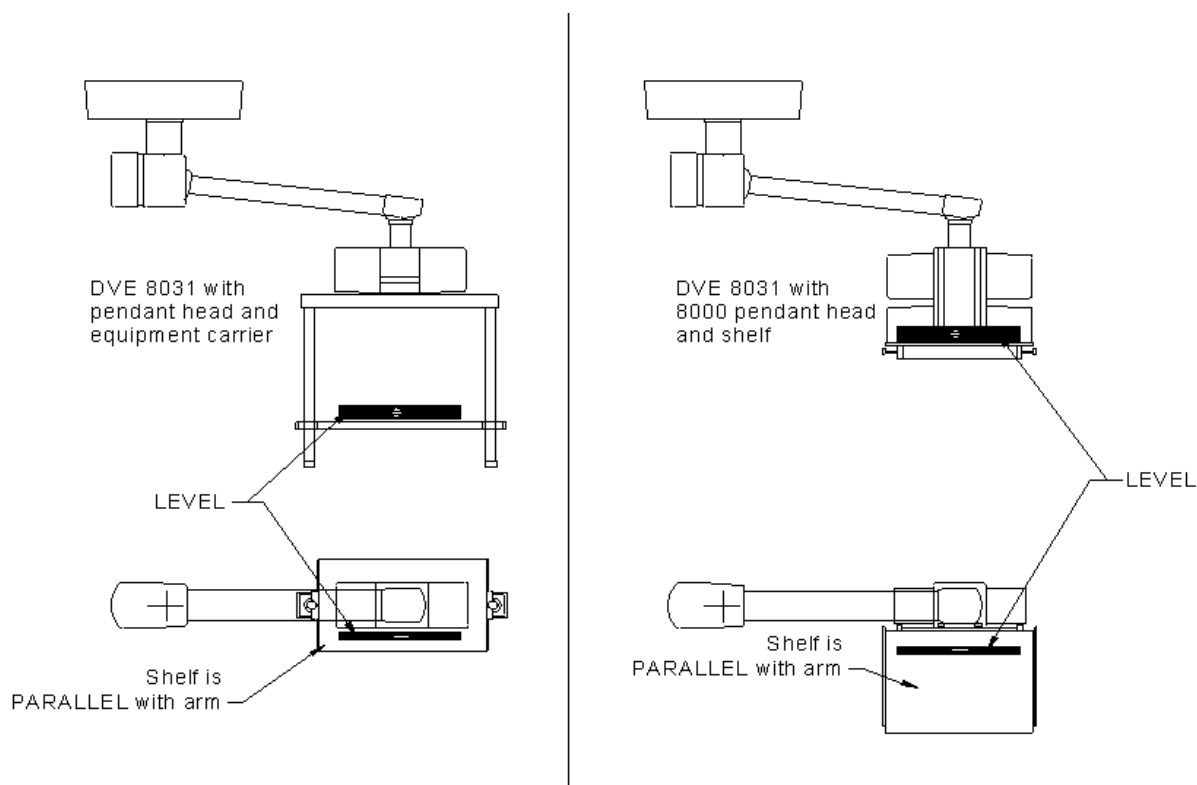
6. Repeat Steps 3 thru 5 to install the remaining hardware at the other end of the pivot pin.

**Installation Procedure (continued)**

**Adjustment & Final Assembly:**

7. Reinstall all equipment previously removed from the carrier, or use an approximate weight of 40 kg (88 lbs) for the leveling procedure.

Orient the equipment carrier in the same direction as the arm. Set the spirit level on the flat surface - oriented in the same direction as the arm. See Figure 5.

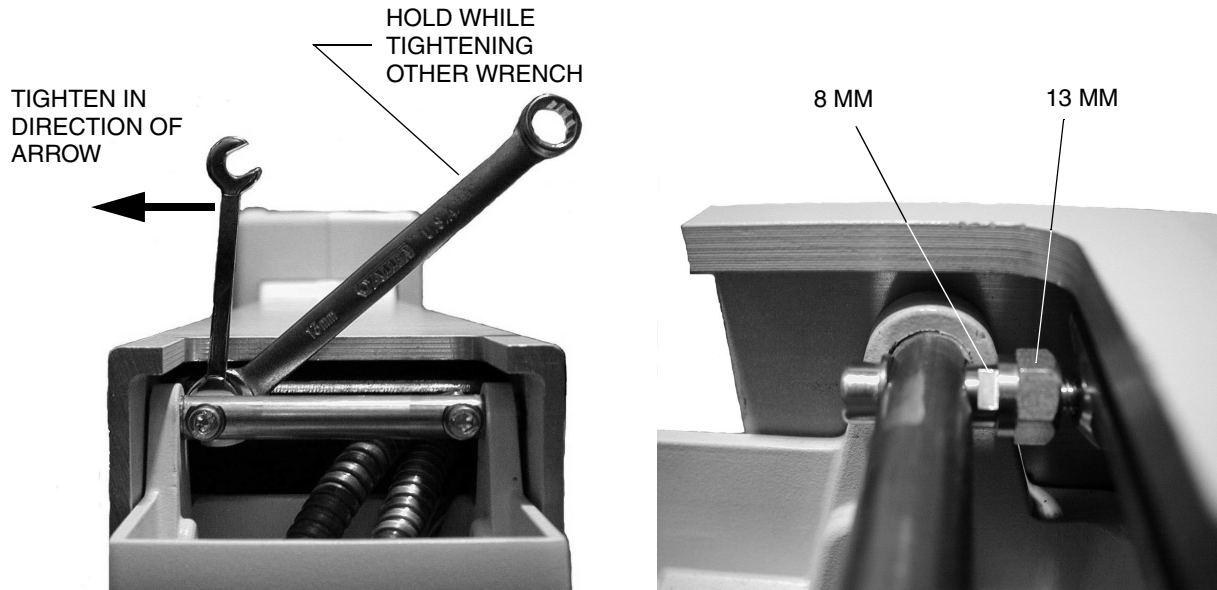


**FIGURE 5. Leveling Setup**

8. Tighten both adjusting screws (ref. Figure 4) until the carrier is level.

**Installation Procedure (continued)**

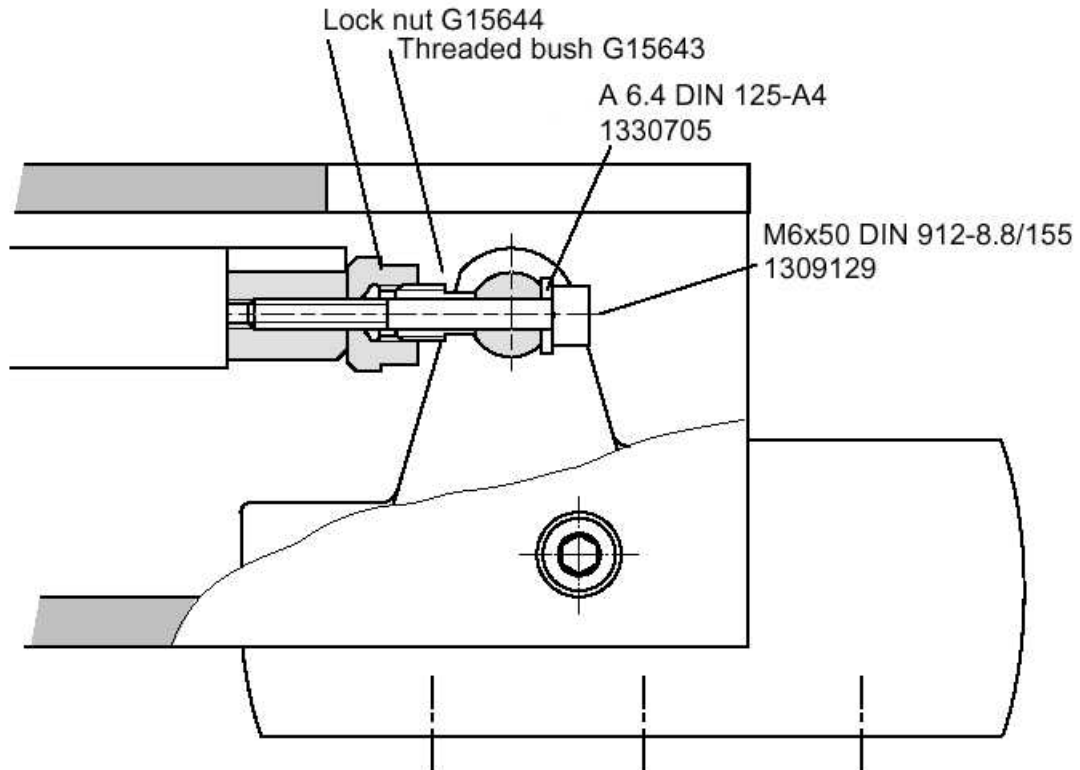
9. Tighten each bushing/nut assembly (Figure 6) to lock in alignment of the pendant head.



**FIGURE 6. Bushing Adjustment**

10. Reinstall the end cap. Refer to Figure 1.
11. Installation of conversion kit is now complete. Supply unit to customer ready to use.

**Installation Procedure (continued)**



**FIGURE 7. Reference Diagram: New Parts and Locations**



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DrägerService is a division of  
Draeger Medical, Inc.  
3122 Commerce Drive  
Telford, PA 18969  
Tel: (215) 721-5402  
(800) 543-5047  
Fax: (215) 721-5784  
Web: [www.draegermedical.com](http://www.draegermedical.com)  
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